

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1 - 17. (Cancelled)

18. (Currently Amended) A pressure activated valve comprising:

a valve housing defining a lumen for receiving bodily fluids therein; and
a flexible member disposed in the valve housing, the flexible member comprising a plurality of flexible membranes stacked on one another, each of the flexible membranes including at least one slit extending therethrough so that each flexible membrane may be moved between an open and a closed configuration based on fluid pressure within the lumen, wherein when all of the flexible membranes are moved to an open position, the flexible member is open to permit fluid flow through the housing; and

a nonthrombogenic coating formed on fluid contacting surfaces of the flexible member, wherein the nonthrombogenic coating includes hydrogel.

19. (Cancelled)

20. (Previously Presented) The valve according to claim 18, wherein the nonthrombogenic coating includes a material which comprises at least one of heparin and phosphorylcholine.

21. (Original) The valve according to claim 18, wherein one of a proximally outward and a distally outward face of the flexible membrane includes a fluid directing recess formed therein to direct fluid flow toward the slits of the flexible membranes.

22. (New) The valve according to claim 18, wherein the first nonthrombogenic coating is a flexible polymeric coating.

23. (New) The valve according to claim 18, wherein the first nonthrombogenic coating includes a material which prevents the formation of blood clots.
24. (New) The valve according to claim 18, wherein the first nonthrombogenic coating is a coating comprising at least one of heparin and phosphorylcholine.
25. (New) The valve according to claim 18, wherein said flexible membranes are formed of silicone.
26. (New) The valve according to claim 18, further comprising a second nonthrombogenic coating on bodily-fluid-contacting surfaces of the lumen.
27. (New) The valve according to claim 18, wherein at least one of said at least one slits is linear.
28. (New) The valve according to claim 18, wherein at least one of said at least one slits is curved.